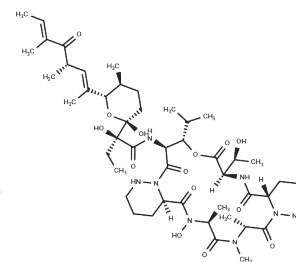


A 83586C

## Chemical Properties

CAS No. : 116364-81-9  
 Formula: C<sub>47</sub>H<sub>76</sub>N<sub>8</sub>O<sub>14</sub>  
 Molecular Weight: 977.15  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
*Actual storage temperature shall be subject to the COA.*



## Biological Description

Description	A-83586C is a depsipeptide antibiotic from <i>Streptomyces karnatakensis</i> with potent against Gram-positive activity in vitro. A-83586C acts as a highly potent inhibitor of beta-catenin/TCF4 signaling within cancer cells, while simultaneously downregulating osteopontin (Opn) expression. A-83586C also inhibits E2F-mediated transcription by downregulating E2F1 expression and inducing dephosphorylation of the oncogenic hyperphosphorylated retinoblastoma protein (pRb).
Targets(IC50)	Others, Antibacterial, Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0234 mL	5.1169 mL	10.2338 mL
5 mM	0.2047 mL	1.0234 mL	2.0468 mL
10 mM	0.1023 mL	0.5117 mL	1.0234 mL
50 mM	0.0205 mL	0.1023 mL	0.2047 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

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